



IP-
PATENT APPLICATION

Docket No. 2777/3293

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of HASKELL et al.

Application No.: 10/812,062

Group Art Unit: 2631

Filed: March 30, 2004

Examiner: To Be Assigned

For TARGET BITRATE ESTIMATOR, PICTURE
ACTIVITY AND BUFFER MANAGEMENT IN
RATE CONTROL FOR VIDEO CODER

Customer No.: 23838

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). The paragraphs marked below are applicable. It is believed that no fees other than those indicated below are due, but authorization is hereby given to charge any additional fees due, or to credit any overpayment, to deposit account 11-0600.

This Information Disclosure Statement is being filed (a) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. §1.53(d), (b) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, (c) before the mailing date of a first Office Action on the merits in the present application, OR (d)

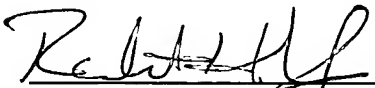
before the mailing of a first office action after filing of a request for continued examination. No certification or fee is required.

Respectfully submitted,

KENYON & KENYON

Date: November 22, 2004

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 2

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| | |
|------------------------|----------------|
| Application Number | 10/812,062 |
| Filing Date | March 30, 2004 |
| First Named Inventor | HASKELL et al. |
| Art Unit | 2631 |
| Examiner Name | Not assigned |
| Attorney Docket Number | 2777/3293 |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|------------------------|--------------------------|---|----------------|
| | | J. Lee and B.W. Dickinson, "Scene-adaptive motion interpolation structures based on temporal masking in human visual perception," in <i>Proc. SPIE Conference on Visual Comm. and Image Processing</i> , Cambridge, 1993, pp. 499-510. | |
| | | A. Hanjalic, "Shot-Boundary Detection: Unraveled and resolved?," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , vol. 12, no. 2, pp. 90-105, February 2002. | |
| | | C-L. Huang and B-Y Liao, "A robust scene-change detection method for video segmentation," <i>IEEE Signal Processing Letters</i> , vol. 7, no. 7, pp. 173-175, July 2000. | |
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| | | R.M. Ford, C. Robson, D. Temple, and M. Gerlach, "Metrics for shot boundary detection in video sequences," <i>Multimedia Systems</i> , vol. 8, pp. 37-46, 2000. | |
| | | B-L Yeo and B. Liu, "Rapid Scene analysis on compressed video," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , vol. 5, no. 6, pp. 533-544, December 1995. | |
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Examiner
SignatureDate
Considered

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Sheet 2

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| Art Unit | 2631 |
| Examiner Name | Not assigned |
| Attorney Docket Number | 2777/3293 |

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| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|------------------------|--------------------------|---|----------------|
| | | J. Bescos, G. Cisneros, and J.M. Menendez, "Multidimensional comparison of shot detection algorithms," in <i>Proceedings of IEEE International Conference on Image Processing</i> , 2002, vol. 2, pp. 401-403. | |
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